

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/903,395

CRF Processing Date:

Edited by:

Verified by: A (STIC staff)

2/6/2002

ENTERED

- Changed a file from non-ASCII to ASCII
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically: 1639
- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included:
- Deleted extra, invalid, headings used by an applicant, specifically:
- Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____.
- Inserted mandatory headings, specifically:
- Corrected an obvious error in the response, specifically:
- Edited identifiers where upper case is used but lower case is required, or vice versa.
- Corrected an error in the Number of Sequences field, specifically:
- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)l length" field accordingly. (error)

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,395

DATE: 02/06/2002
TIME: 10:54:59

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02062002\I903395.raw

4 <110> APPLICANT: Allen, Keith D.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
 7 MELANOCORTIN-3 RECEPTOR GENE DISRUPTIONS
 10 <130> FILE REFERENCE: R-653
 12 <140> CURRENT APPLICATION NUMBER: US 09/903,395
 13 <141> CURRENT FILING DATE: 2001-07-10
 15 <150> PRIOR APPLICATION NUMBER: US 60/218,074
 16 <151> PRIOR FILING DATE: 2000-07-12
 18 <150> PRIOR APPLICATION NUMBER: US 60/243,958
 19 <151> PRIOR FILING DATE: 2000-10-26
 21 <160> NUMBER OF SEQ ID NOS: 4
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1675
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Mus musculus
 30 <400> SEQUENCE: 1
 31 tctagactgg acagcatcca caagagaage acctagaagg agaattttcc ccagcagctt 60
 32 gtcaggacc ctgcaggaggc cgcagctggg actggacctg ctgttaacca tgaactcttc 120
 33 ctgctgcctg tcttctgttt ctccgatgt gcctaacctc tctgagcacc ctgcagcccc 180
 34 tcctgccagg aaccggaggcg gcaagtgggtt ctgtgagcag gtcttcatca agccggaggt 240
 35 cttectggct ctgggcatacg tcaagtctgtat ggaaaacatc ctggtgatcc tggctgtgg 300
 36 caggaatggc aacctgcact ctccccatgtt cttecttcgt tgccagctgg ctgcagccga 360
 37 catgtggtg aacctgtcca actccccatggaa gaccatcatgt atcgcgcgtgt tcaacagcga 420
 38 ctccccatgtt ttggaggacc attttatccaa ccacatggat aatatcttcg atcttatgtat 480
 39 attcatatcc ctggatggccat tcaatgtqcaa cttectggcc attqccatcg acaqgtacgt 540
 40 caccatcttcc tatqcccttc qgttaccacaaq catcatqaca qtttaggaaag ccctcacctt 600
 41 gatcgggtt atctgggttctt qtcgtggccat ctgcggcggtt atgttcatca tctactccqa 660
 42 qaccaagatq gtcatcgtgt gtctcatcaatqtttccat qccatqgttc ttcctatqqq 720
 43 taccatataat atccacatgt ttccttcgtc caggctccac gtccagcgtca tggcaatgtt 780
 44 qcctccctgtt ggctgttgttgg ccccacagca qcaactctgtc atgaaggggg ctgtcaccat 840
 45 caactatctgt ctgggtgttt ttcattttctgt ctggggccct ttcttcctcc acctggctt 900
 46 catcataccatc tgcctccacca atccctactgt catctgttac acggcccatt tcaacaccta 960
 47 ctctgggttcc atcatgtqca atccgtcat cqacccttc atctacqctt tccgcagegtt 1020
 48 ggatgtgtggc aacacgttca aggagatttcttgcgggttgc aacagcatgtt accttgggtt 1080
 49 qatqccctgtt qtcgtgttccatccatqca caaqaaatcaaaatc ttcacatccat 1140

44
 45
 46
 47
 48
 49

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,395

DATE: 02/06/2002
TIME: 10:54:59

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02062002\I903395.raw

57 cttacatctg tgccagcctc cccgaacccc tgcacagaga catgacccccc ttctccctgt 1620
 58 gccgttgta tggtttat tattgttga gttttgttcg ttaaaatcta agctt 1675
 60 <210> SEQ ID NO: 2
 61 <211> LENGTH: 323
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Mus musculus
 65 <400> SEQUENCE: 2
 66 Met Asn Ser Ser Cys Cys Leu Ser Ser Val Ser Pro Met Leu Pro Asn
 67 1 5 10 15
 68 Leu Ser Glu His Pro Ala Ala Pro Pro Ala Ser Asn Arg Ser Gly Ser
 69 20 25 30
 70 Gly Phe Cys Glu Gln Val Phe Ile Lys Pro Glu Val Phe Leu Ala Leu
 71 35 40 45
 72 Ciy Ile Val Ser Leu Met Glu Asn Ile Leu Val Ile Leu Ala Val Val
 73 50 55 60
 74 Arg Asn Gly Asn Leu His Ser Pro Met Tyr Phe Phe Leu Cys Ser Leu
 75 65 70 75 80
 76 Ala Ala Ala Asp Met Leu Val Ser Leu Ser Asn Ser Leu Glu Thr Ile
 77 85 90 95
 78 Met Ile Ala Val Ile Asn Ser Asp Ser Leu Thr Leu Glu Asp Gln Phe
 79 100 105 110
 80 Ile Gln His Met Asp Asn Ile Phe Asp Ser Met Ile Cys Ile Ser Leu
 81 115 120 125
 82 Val Ala Ser Ile Cys Asn Leu Leu Ala Ile Ala Ile Asp Arg Tyr Val
 83 130 135 140
 84 Thr Ile Phe Tyr Ala Leu Arg Tyr His Ser Ile Met Thr Val Arg Lys
 85 145 150 155 160
 86 Ala Leu Thr Leu Ile Gly Val Ile Trp Val Cys Cys Gly Ile Cys Gly
 87 165 170 175
 88 Val Met Phe Ile Ile Tyr Ser Glu Ser Lys Met Val Ile Val Cys Leu
 89 180 185 190
 90 Ile Thr Met Phe Phe Ala Met Val Leu Leu Met Gly Thr Leu Tyr Ile
 91 195 200 205
 92 His Met Phe Leu Phe Ala Arg Leu His Val Gln Arg Ile Ala Val Leu
 93 210 215 220
 94 Pro Pro Ala Gly Val Val Ala Pro Gln Gln His Ser Cys Met Lys Gly
 95 225 230 235 240
 96 Ala Val Thr Ile Thr Ile Leu Leu Gly Val Phe Ile Phe Cys Trp Ala
 97 245 250 255
 98 Pro Phe Phe Leu His Leu Val Leu Ile Ile Thr Cys Pro Thr Asn Pro
 99 260 265 270
 100 Tyr Cys Ile Cys Tyr Thr Ala His Phe Asn Thr Tyr Leu Val Leu Ile
 101 275 280 285
 102 Met Cys Asn Ser Val Ile Asp Pro Leu Ile Tyr Ala Phe Arg Ser Leu
 103 290 295 300

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,395

DATE: 02/06/2002
TIME: 10:54:59

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\02062002\I903395.raw

111 <211> LENGTH: 200
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Targeting Vector
118 <400> SEQUENCE: 3
119 aacctgttgtt aaccatgaac ttttcctgtc gcctgttttc tgtttctccg atgctgccta 60
120 aaccttcctgtca gcaaccctgca gccccttcgt ccagcaaccg gagcggcagt gggttctgtg 120
121 aqcaaggcttt catcaagccg gaggtcttcc tqqctctggg catcgtagt ctgtatggaaa 180
122 acatactgtt gatecttggt 200
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 200
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Targeting Vector
132 <400> SEQUENCE: 4
133 cattgccatc gacaggtacg tcaccatctt ctatgccctt cggttaccaca gcatcatgac 60
134 agtgaggaaa gcccctcacct tgatcgggtt catctgggtc tgctgcggca tctgcggcgt 120
135 qatgttccatc atctactccg agagcaagat ggtcatcggt tgctctcatca ccatgttctt 180
136 cgccatgggt ctcctcatgg 200

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/903,395

DATE: 02/06/2002

TIME: 10:55:00

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02062002\I903395.raw